

*****SAFETY ALERT*****

Compressed Gas Cylinder Warning

June 2005

IMMEDIATE INSPECTION and CORRECTIVE ACTION REQUIRED

A catastrophic compressed gas cylinder failure occurred in an unattended storage lot.



Debris from the blast was found as far away as 250'. Other 150 lb cylinders were ejected up to 60' with one cylinder launching itself out to the 250' distance. This cylinder would have traveled farther had it not ricocheted off of a conex box and lodged up against a commercial grade chain link fence.

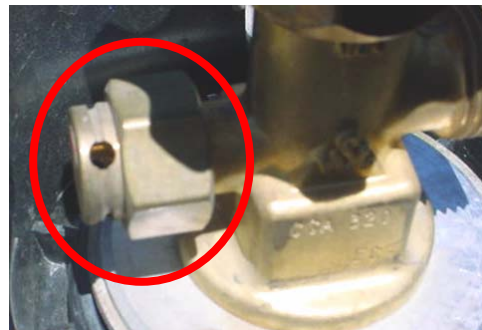
The cause of the failure was determined to be an improper pressure relief device.

Immediately check all compressed gas cylinders within your areas.

The pressure relief device is located directly opposite of the threaded discharge port.

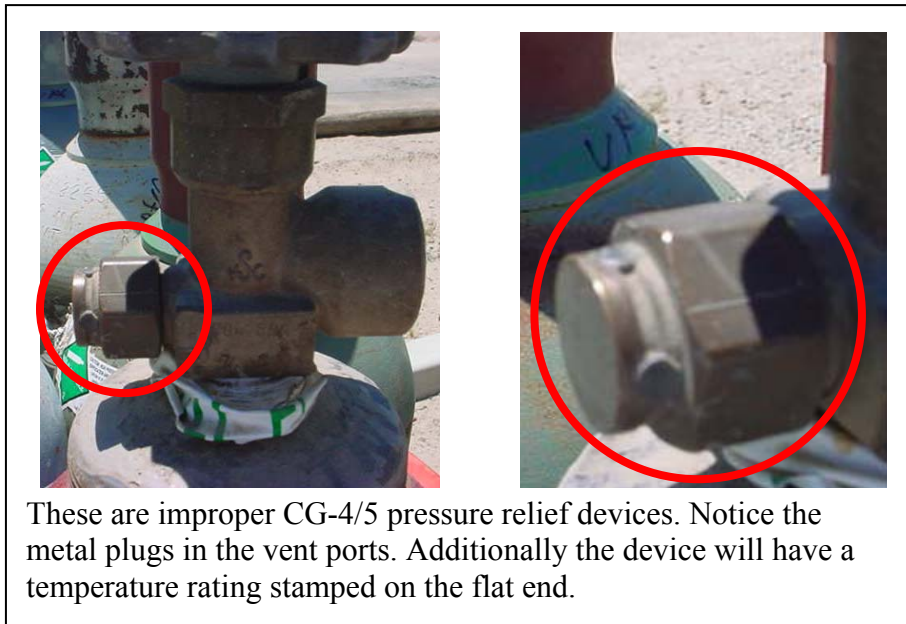


Proper CG-1 Pressure
Relief Device



Proper CG-1 pressure relief device.

These examples are "not" proper relief devices



The holes in these devices are stopped up with a fusible metal.

For additional information on these types of relief devices the following Internet link is provided. <http://www.airproducts.com/nr/rdonlyres/b0c59600-39b4-4d81-9a36-bbf4a058bf41/0/safety15.pdf>

References:

USARAK Regulation 420-11, *Fire and Emergency Services (Chapter 7)*

Army Regulation 700-68, *Storage and Handling of Liquefied & Gaseous Compressed Gases and Their Full & Empty Cylinders*

Code of Federal Regulation (CFR) 1910.101, *Compressed Gas Cylinders (general requirements)*